

# REPORT ON THE HEALTH

OF THE

# URBAN DISTRICT of ERDINGTON,

FOR THE YEAR 1896,

BY

**A. BOSTOCK HILL, M.D., D.P.H. Camb., F.I.C.,**

*Fellow of the Sanitary Institute,*

PROFESSOR OF HYGIENE AND PUBLIC HEALTH, MASON COLLEGE, BIRMINGHAM;  
PUBLIC ANALYST FOR THE COUNTY AND BOROUGH OF WARWICK,  
THE CITIES OF COVENTRY, HEREFORD, ETC., ETC.

Medical Officer of Health.

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MEDICAL OFFICER OF HEALTH'S OFFICE,

14, TEMPLE STREET, BIRMINGHAM,

*February, 1897.*

To the Erdington Urban District Council.

MR. CHAIRMAN AND GENTLEMEN,

I have the honour to present to you my Third Annual Report on the sanitary condition of the District under your charge. This comprises the Hamlets of Erdington and Witton, and includes the following public institutions, viz. :—The Aston Union Workhouse, the Jaffray Hospital, the Mason Orphanage, and the Small-pox portion of the Aston Manor Infectious Hospital.

#### AREA.

The area of the whole District is 4,550 acres, of which 3,610 are in Erdington, and 940 in Witton

#### POPULATION.

I have before explained that it is only in census years that we actually and definitely know what our population is; so that since 1891, the population taken for statistical purposes, is to some extent only an estimated one. Thanks, however, to the courtesy of Mr. T. G. Pratt, the Clerk to the Aston School Board, I have been furnished with the results of their triennial census, made for scholastic purposes, and I have therefore the means of judging very accurately the number of persons living in the District in the middle of the year. This I find to be 12,295, viz., 11,755 in Erdington, and 540 in Witton. This gives an increase on 1895 of no less than 740, one which, although very great, is not surprisingly so, when we consider the very large number of new houses erected in all parts of Erdington.

## BIRTHS.

326 births (153 males and 173 females) have been registered, of which 262 were in Erdington, 15 in Witton, and 49 at the Workhouse. This is an increase on the figures for 1895. The birth-rates are as follows:—Erdington, 22.28; Witton, 27.77; and the whole District, 22.52.

It will be noted that though the number of births has increased, the birth-rate remains practically the same, and is considerably below the average of similar Districts in the County of Warwick.

Only four of the births registered were illegitimate.

## DEATHS.

407 deaths (218 males and 189 females) were registered in the District, viz. :—124 in Erdington, 19 in Witton, 252 at the Workhouse, 10 at the Jaffray Hospital, 1 at the Mason Orphanage, and 1 in the Infectious Hospital. In order to find the true death-rate, it is necessary to subtract from the total the deaths of persons not belonging to the District, and to add the deaths of any belonging to the District which occurred outside it. The result of this is, I find, that 147 deaths are to be debited to us this year, giving on the estimated population the satisfactory rate of 11.95 per 1,000 persons living.

The following table shows at a glance the birth, death, and zymotic rates for the last ten years:—

	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.
Birth-rate ...	20.90	24.36	20.83	25.05	23.67	23.37	21.00	20.87	22.32	22.52
Death-rate ...	11.68	12.30	11.19	12.52	13.43	13.25	12.91	10.16	12.80	11.95
Zymotic-rate ...	0.71	2.29	0.10	1.18	1.55	0.80	1.34	0.35	0.95	0.97

From this Table we see that our general death-rate is below the average of the ten years, and that the zymotic death-rate is also fractionally below the ten year average. This must be considered highly satisfactory.

The next Table compares the death-rate for the year with that of neighbouring authorities, and with the whole of England:—

DEATH-RATE PER 1,000 LIVING.

1896.	Erdington.	Aston Manor.	Sutton Coldfield.	England.
	11.95	15.4	13.79	17.1

Of the 147 deaths, 43 were in children under one year of age, giving a percentage to the total deaths of 29.25.

The following Table shows the rate of infant mortality, compared with the total number of births and deaths:—

Annual Rate of Mortality.	Percentage of Deaths of Infants under One Year to Total Deaths.	Percentage of Deaths of Children under Five Years to Total Deaths.	Percentage of Deaths of Infants under One Year to Registered Births.
11.95	29.25	38.00	15.5

On comparing these figures with those for last year, we see that the percentage of deaths of infants under one year to registered births is exactly the same, and I regret to say that the figure cannot be considered satisfactory. In 1895, for the whole of the administrative County of Warwick, the percentage was 14.3, and this was some-

what above the usual rate. I have in many previous reports called attention to the high rate of infant mortality, and, indeed, I have no hesitation in declaring that it is the only bad point in connection with our vital statistics. I have carefully gone into the causes of death, and find that they are much the same as in former years, and point both to deficient care in the treatment of the young, due doubtless to want of proper knowledge, and also to weakness on the part of some at least of the mothers. The causes of death were as follows:— Bronchitis and Pneumonia, 9; Convulsions, 9; Diarrhoea, 7; Premature Birth, 4; Injuries, 3; Marasmus 2; Whooping Cough, 2; Inanition, 2; Enteritis, 2; Debility from birth, 1; Gastritis, 1; and Laryngitis, 1. I cannot do better than again quote what I said last year in reference to this matter.

It would seem, therefore, that the majority of the deaths were due to causes outside the scope of the Sanitary Officer, and that it is desirable for those interested in social questions to endeavour, by precept and example, to improve the knowledge of mothers of the poorer classes, especially in the elementary sanitary principles of feeding, clothing, and general management of children of tender years.

The next Table is useful in showing the distribution of the deaths in each quarter, together with the birth-rate, total and Zymotic death-rates:—

1896.	Births.	Birth Rate.	Deaths.	Death Rate.	Zymotic Death Rate.
1st Quarter.....	64	20.80	29	9.40	0.32
2nd     "	74	24.04	35	11.36	0.64
3rd     "	54	17.56	37	12.00	1.60
4th     "	85	27.64	46	14.96	1.28

#### ZYMOTIC DISEASES.

Twenty deaths have been registered from the seven principal Zymotic diseases, compared with sixteen in the

preceding year. Of these, two, viz., Typhoid Fever, occurred in the Workhouse, and six in the Aston Manor Infectious Hospital, all of which did not belong to the District. This leaves us, therefore, with only twelve deaths to be debited to Erdington and Witton, due to the following diseases:—Scarlet Fever, 2; Diphtheria, 2; Whooping Cough, 2; Typhoid Fever, 1; and Diarrhœa, 5. Nine of these deaths occurred in Erdington, and three at Witton.

221 cases were notified under the Act compared with 134 in the previous year. Of these, 26 were in the Workhouse, and 4 at the Jaffray Hospital, leaving 191 for the District proper—182 from Erdington, and 9 from Witton. Although the number of cases notified exceeds that of the two preceding years, I am of opinion that on the whole the figures have been satisfactory, for the increase has been almost entirely in Scarlet Fever, due to causes outside our own control.

*Small-pox.* Five deaths were registered from this disease in the Small-pox Hospital of Aston Manor, which is just in our District; but none of them belonged to Erdington, nor, indeed, has there been a single case notified throughout the year.

*Scarlet Fever.* Two deaths were registered from Scarlet Fever, one at Witton and one at Erdington, while 150 cases were notified. It will be observed that though the number of cases shows a marked increase on the previous year, the number of deaths (2) was the same, so that though the disease has been more prevalent it has been of a milder type—indeed the mortality, 1.33% of the cases notified, is one of the lowest, if not the lowest, I have ever seen recorded.

The disease was really an extension of the epidemic of the previous year, on which I have already reported, the greatest number of cases occurring in the first quarter. Towards the end of the year there was a marked decrease in the number of notifications, and this coincided

with a similar decrease in the City of Birmingham, Aston Manor, and other surrounding Districts.

*Measles.* Not a single death has been registered from Measles in 1896, so that for two years we have been free from Measles mortality. A few odd cases came to the knowledge of the Inspector, but there was no great prevalence.

*Diphtheria.* Two deaths occurred from Diphtheria, and altogether 27 cases were notified. The first thing to strike one in these figures is the very low mortality, because this is very high as a rule, exceeding 20 per cent.

From investigations which I made, I am of opinion that many of them were not really Diphtheria; but in stating this, I wish to make it quite clear that I cast no aspersions on the work of the Medical men who notified them. Diphtheria is a disease which at times is very difficult to diagnose, and from the point of view of Public Health, it is far better that an early diagnosis should be attempted, which experience may afterwards prove incorrect, rather than a real case should be left unnotified.

Seven of the cases notified at Witton were an extension of the very serious outbreak which I reported last year as occurring in December in connection with the Aston Manor Station Road Schools, and one of these cases proved fatal. I am glad to be able to report that there was no spread of disease from infected houses.

Four cases occurred in May in Orchard Road, and I have little doubt that they were associated with the bad condition of the sewer in that road, which was found to be of defective gradient and full of deposit. At the present this is being relaid.

One case was reported from New Street, and I found that here a drain had become stopped. The same thing was observed at Witton Hill.

Two cases occurred among the Nursing Staff at the Jaffray Hospital, and in consequence of this I thoroughly

overhauled the sanitary arrangements and reported to your Committee, a copy of which Report will be found later on.

In more than one instance cases were associated with other Scarlet Fever cases in the same house.

*Typhoid Fever.* One death was registered in a young child at Erdington, and on visiting the premises I found them satisfactory with the exception of slight dampness in the wash-house.

Eighteen cases were notified in all, but of these nine occurred in the Workhouse, and 1 in the Jaffray Hospital, and were all imported.

In one case, in Silver Birch Road, I found the ventilating shaft stopped, and found that the drain had been stopped some time previously, and this may have been connected with the illness. Two of the other cases were probably imported, while in the remaining ones nothing likely to produce Typhoid could be discovered.

It is interesting to note that in not a single instance was the disease associated with impure water, all of the houses being supplied from the mains of the Birmingham Corporation.

*Whooping Cough.* Two deaths were due to Whooping Cough, but as far as I can discover, there was no great prevalence of the disease throughout the year.

*Diarrhœa.* Only five deaths were attributed to Diarrhœa compared with ten in the previous year. All these occurred in Erdington, in children under five years of age.

*Influenza.* Not a single death was registered from Influenza in 1896, and, indeed, there was a marked diminution in the mortality from diseases of the respiratory organs compared with the previous year.

AN ACCOUNT OF ENQUIRIES MADE AS TO CONDITIONS INJURIOUS TO HEALTH, AND OF THE PROCEEDINGS ADVISED ; ALSO AN ACCOUNT OF THE SUPERVISION EXERCISED OVER PLACES AND HOUSES WHICH THE SANITARY AUTHORITY HAVE POWER TO REGULATE, WITH THE ACTION TAKEN IN REGARD TO OFFENSIVE TRADES.

As in previous years every division of the District has been continually and carefully inspected, and many nuisances have been discovered and remedied.

#### NOTIFICATION.

The Notification Act has been of the greatest service, and has worked admirably, owing to the maintenance of good relations between your Staff and the Medical men practising in the District.

221 cases have been notified, of which thirty were in public institutions, viz. :—26 in the Workhouse, and 4 in the Jaffray Hospital. The total cost of notification was £25 17s. 6d.

#### ISOLATION.

Seventy-four cases were removed to Hospital, viz. :—2 from the Workhouse, 1 from the Jaffray Hospital, and 71 from the District proper. I am strongly of opinion that no more useful means for the prevention of the spread of Scarlet Fever exists than an isolation hospital, and it is with much satisfaction that I again record your determination that it shall be free to all whom, in my opinion, it is in the interest of the District to isolate.

#### SEWAGE AND REFUSE DISPOSAL.

I am indebted to Mr. Willcox, our Engineer, for the following particulars bearing upon the work carried out during the year, from which it will be seen that a very large amount of good has been done.

#### DRAIN CONNECTIONS.

Forty Drain Connections have been laid from Main Sewers to Drains from some 110 houses.

## SEWERS.

The following Sewerage Extensions and Alterations have been made during the past 12 months.

The relaying of Sewers in New Street and Silver Birch Road, necessitated owing to their being laid originally with insufficient fall	... ... ... ..	250 yds.
The relaying of Sewer in the Orchard Road, necessitated in consequence of recurring stoppages through bad workmanship, owing to the exceptionally bad ground that was met with. Iron Pipes surrounded with concrete had to be used throughout	... ... ..	344 "
The Extension of Sewer, Coton Lane, for the effectual Drainage of Coton Villas	... ... ..	40 "
The Extension of Sewer, Oakfield Road, for the Drainage of the Jaffray Hospital, where the entire system of Drainage has been rearranged	... ... ..	21 "
Sewers have also been laid down the following new roads:—		
Harrison Road	... ... ..	about 50 "
Road to the Oval, known as Minstead Road, Gravelly Hill	.. ... ..	240 "

Sewerage Schemes have also been prepared and application has been made to the Local Government Board for sanction to a Loan for the sewerage of Kingsbury Road, Wheelwright Road, and Bromford Lane, where many houses are urgently in need of proper Drainage.

Several Ventilating Columns have been erected for the better ventilation of the existing Sewers, and these and other Columns are found to work well, to a large extent remedying nuisances complained of with respect to smells from Manhole Gratings in the streets.

The Flushing of Sewers has had regular and systematic attention, and the following amounts of water have been drawn from the Corporation Mains for the purpose during the past 12 months:—

Flushing Chambers at the summits of Sewers	... 561,000	galls.
Flushing Van	.. 2,289,750	"

at a total cost of £70 19s. 5d.

## NEW ROADS AND STREET IMPROVEMENTS.

Several new roads are in course of construction, and Plans and Estimates have been prepared, by order of the Council, for the remaking under the Private Street Improvements Act, of the Orchard, Arthur, and Trafalgar Roads, and New Street, and this work will be proceeded with during the ensuing year. Several Improvements have also been made in the widening of the existing roads.

Street Watering has been efficiently carried out during dry weather, 1,196,416 gallons of water having been used for this purpose over some 6 miles of the principal thoroughfares, at a cost of about £90, including team labour.

I must again call your attention to the condition of Witton, and point out the necessity of sewerage this portion of the District; while I must also again remind you that a system of public scavenging for the District is one of the most urgent wants. In doing this, it is right that I should remark, that I know the matter has received your earnest consideration, and it is not with any idea of embarrassing you that I again mention the

matter. I should be lacking in my duty, however, did I not, in my Annual Report, call your attention to the pressing sanitary requirements of the District.

#### NEW BUILDINGS.

Mr. Willcox writes me as follows :—

Plans for 206 dwelling-houses have been passed by the Committee during the past year. Of these, 35 were rejected, 28 have not been commenced, 65 are in course of construction, and 78 are completed, and quite 75% inhabited. In addition Plans have been approved for alterations and additions to some 20 houses, as well as for extensive additions to Pype Hayes Hall, the Workhouse, and St. Thomas' Monastery, all of which work is in progress. The sanitary condition of new houses has been regularly supervised, and good work insisted upon ; and Plans showing the positions of Drains to all new houses have been prepared where these are connected to the Sewerage System of the District.

In connection with this I would remark that I am pleased to see that great attention is now given to the drainage and other sanitary arrangements of new houses ; when building is going on at a rapid rate, as has been the case in Erdington for the last few years, it is absolutely essential to sanitary well-being that attention should be paid to this subject, or else it is found that, in a few years at most, defects associated with disease are constantly cropping up.

#### WATER SUPPLY.

Seven samples of water have been analysed by me during the year, viz. :—1 from the water mains, and 6 from private wells. All the latter showed more or less pollution with organic matter, and measures were carried out to remedy this.

#### ADULTERATION OF FOOD.

The Inspector has submitted to me as County Analyst, 72 samples of Food during the year, all of which proved on analysis to be genuine. Full details will be found in tabular form in the Appendix.

#### OVERCROWDING.

One case of overcrowding in Wood End Lane was

discovered by the Inspector, and abated without recourse to legal proceedings.

#### OFFENSIVE TRADES.

I referred in my last Report to the action that it was necessary to take against the proprietors of a Manure Works in Goosemore Lane, and I am glad to be able to state that the work has been carried out this year much more satisfactorily, only one complaint as to nuisance having been made.

In October the Inspector reported that Fat Melting on a small scale was being carried on in High Street, on premises which had not been licensed in accordance with the provisions of the Public Health Act. I visited the place, and advised that you should not grant permission for the establishment of such a trade there, and as a consequence the work was given up.

The Inspector also reported that a place for the scraping of guts and making of sausage skins had been established without permission in Court Lane. On visiting the premises I found them to be absolutely unfit for the purpose, and you therefore authorised the Inspector to take proceedings against the occupier, if he did not at once relinquish the trade. He refused to do this, and was therefore summoned before the Aston Bench, and fined forty shillings and costs. Since then the place has been closed.

#### HOUSES UNFIT FOR HABITATION.

One small cottage in Summer Road, I found to be in a very bad state. It had no water supply, no proper drainage, and was small, dirty, and dilapidated. On service of notice it was vacated.

#### SCHOOLS.

In the summer, when Scarlet Fever was most prevalent, I thought it desirable for the National Schools to be disinfected, while I suggested also that it would be

desirable to discontinue the circulation of books in the School Library. I am pleased to say that the authorities readily fell in with my suggestions, and also gave permission for the destruction of those books which had been borrowed by households, members of which became infected with Scarlet Fever.

#### SYSTEMATIC INSPECTION OF THE DISTRICT.

This has been commenced during the year by the Inspector, who, owing to the fact that you now retain his whole services, has been able to devote time and attention to the subject. As a result, he has discovered many unsuspected defects, and these have now been remedied.

#### VACCINATION.

I am pleased to be again able to record that this very important matter has been well attended to by the Vaccination Officer. It is greatly to the credit of the Officer, and also to the Guardians as the responsible Authority, that, despite the frantic efforts of the anti-vaccinators, the Union compares favourably with many others in the County. It also speaks well for the intelligence of the inhabitants, that they can appreciate the protection afforded by vaccination.

#### GENERAL SANITARY WORK.

The Inspector's Report will be found in the Appendix, from which it will be seen how large an amount of valuable work has been done. I can congratulate you on the increased efficiency which has resulted from the appointment of an Inspector who devotes his whole time to the District.

#### CONCLUSION.

It is with much satisfaction that I commend the foregoing statistics to your notice. Our death-rate is one which any District as large as this may congratulate itself on showing, and it is a fact worthy of note, that,

despite the very large increase of population of late years, not only has there been no increase in the rate of mortality, but in fact a diminution is recorded.

The excellent relations existing between the Members of the Committee and its staff, tend to make the conduct of public work both pleasant and efficient.

I remain,

Mr. Chairman and Gentlemen,

Your obedient Servant,

A. BOSTOCK HILL, M.D., D.P.H. Camb.,

*Medical Officer of Health.*

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## A P P E N D I X.

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### REPORT ON SANITARY CONDITION OF JAFFRAY HOSPITAL.

In consequence of the cases of Diphtheria at the Jaffray Hospital, I visited that Institution in company with the Inspector, and made an investigation into its sanitary condition. There is much requiring attention, particularly in the arrangements for water supply and soil pipe ventilation,

None of the soil pipes are efficiently ventilated, the shafts in most instances being too small and twisted, so that the rate of movement of air in them is too small. In one or two instances, too, the soil pipe is ventilated directly into a rain-water down spout—an arrangement which is not only antiquated, but dangerous.

There is a Valve Closet in which the valve is defective, and consequently the Pan does not hold water.

The majority of the Closet Pans are of the wash out type, and are not therefore as cleanly as they should be.

The down Water-spouts, as shown by the plan, run directly into the Drains, *i.e.*, they do not discharge on to trapped Gullies, and this is an arrangement which should at once be altered.

The Slop Sinks are unsatisfactory, particularly as regards flushing arrangements, and require modernising.

The Water supply for the kitchen is derived from a Tank below the floor of a Ward maid's bedroom on the second floor, and, as a matter of fact, at the present time is situated only a few inches from where the chamber utensils and washstand are placed, so that any slops spilt on the floor would probably find their way into the Tank, which up to a short time ago was entirely uncovered, and at the present time is closed by a boarded lid lined with tin or lead foil. As I am informed that the bulk of the Water for drinking purposes comes from this Tank, I look upon this arrangement as one calculated to lower the tone of health of the inmates of the Hospital, and I am of opinion that the Water supply of the Hospital requires entire reorganisation.

I am unable to say where the Waste Pipes from this and other Cisterns discharge, but this is a matter of importance, and should be discovered.

In the larder there is a drain on the floor, and although this does not run into the sewer directly, I think it would be better for it to be removed. I think, too, that it would be an advantage for the ventilation to be increased.

In case of alteration of Soil pipes, I would call attention to the fact that the present ones are of iron, with putty or red lead joints, and that they must be considered in the light of modern sanitary practice, unsatisfactory and second-rate.

A. BOSTOCK HILL.

May 1st, 1896.

TABLE OF DEATHS during the Year 1896, in the ERDINGTON URBAN DISTRICT, classified according to Diseases and Ages, and showing also the Area and Population of such District, and the Births therein during the year, together with Birth, Death, and Zymotic Rates, and the Rate of Infant Mortality.

THE SUBJOINED NUMBERS HAVE ALSO TO BE TAKEN INTO ACCOUNT IN JUDGING OF THE ABOVE RECORDS OF MORTALITY.

DEATHS OCCURRING OUTSIDE THE DISTRICT AMONG PERSONS BELONGING THERETO	...	...	...	...	...	...	...	...	Under 5 5 upwds.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
DEATHS OCCURRING WITHIN THE DISTRICT AMONG PERSONS NOT BELONGING THERETO	260	14	6	4	13	128	95	Under 5 5 upwds.	1	...	...	1	...	...	...	2	...	...	...	...	1	...	...	...	40	20	24	2	17



Table of New Cases of Infectious Sickness coming to the knowledge of the Medical Officer of Health during the year 1896, in the  
**B.** Erdington Urban District, classified according to Diseases, Ages, and Localities.

NAMEs OF LOCALITIES adopted for the purpose of these Statistics; Public Institutions being shown as separate localities.	POPULATION AT ALL AGES.		Registered Births.	Aged under 5 or over 5.	NEW CASES OF SICKNESS IN EACH LOCALITY, COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH.													NUMBER OF SUCH CASES REMOVED FROM THEIR HOMES IN THE SEVERAL LOCALITIES FOR TREATMENT IN ISOLATION HOSPITALS.														
	Census 1891.	Estimated to middle of 1896.			1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13		
					Smallpox.	Scarlatina.	Diphtheria.	Membranous Croup.	Typhus.	Enteric or Typhoid.	Continued.	Relapsing.	Puerperal.	Cholera.	Erysipelas.	Smallpox.	Scarlatina.	Diphtheria.	Membranous Croup.	Typhus.	Enteric or Typhoid.	Continued.	Relapsing.	Puerperal.	Cholera.	Erysipelas.						
ERDINGTON ... ...	9,267	11,755	262	Under 5 5 upwds.	... 29 116	6 12	... 1	... 1	... 2 6	... 6	... 1	... 1	... 1	... 1	... 1	... 12 59	... 12 59	... 12 59	... 12 59	... 12 59	... 12 59	... 12 59	... 12 59	... 12 59	... 12 59	... 12 59	... 12 59	... 12 59	... 12 59			
WITTON ... ...	361	540	15	Under 5 5 upwds.	... 1 1	1 6	... 1	... 1	... 1	... 1	... 1	... 1	... 1	... 1	... 1	... 1	... 1	... 1	... 1	... 1	... 1	... 1	... 1	... 1	... 1	... 1	... 1	... 1	... 1	... 1		
THE WORKHOUSE...	...	...	49	Under 5 5 upwds.	... 2 1	... 1 2	... 1	... 1	... 1 9	... 1 1	... 1	... 1	... 1	... 1	... 1	... 1 14	... 1 1	... 1 2	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1		
JAFFRAY HOSPITAL ...	...	...	...	Under 5 5 upwds.	... 1 1	... 2 2	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1			
MASON'S ORPHANAGE ...	...	...	...	Under 5 5 upwds.	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1			
INFECTIOUS HOSPITAL ...	...	...	...	Under 5 5 upwds.	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1			
TOTALS ... ...	9,628	12,295	326	Under 5 5 upwds.	... 30 120	7 20	... 1 1	... 2 16	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 5 20	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1	... 1 1		

State here whether "Notification of Infectious Disease" is compulsory in the District—Yes. Since when?—December, 1889. Besides the above-mentioned Diseases, insert in the columns with blank headings the names of any that are notifiable in the District, and fill the columns accordingly. State here the name of the Isolation Hospital used by the sick of the District. Mark (H) the Locality in which such Hospital is situated; and if not within the District, state where it is situated—Aston Manor Joint Hospital in Perry Barr Urban District.



TABLE C.

WATER : RESULTS OF ANALYSES EXPRESSED IN PARTS PER 100,000.

No. of Water.	LOCALITY.	Date.	Total Solid Matter.	Ammonia Free.	Ammonia Organic.	Nitrogen as Nitrates and Nitrites.	Chlorine.	REMARKS.
1	Copeley Hill, Erdington ...	April 8th	56.0	0.002	0.006	1.87	4.8	Water was suspected. Tap water supplied.
2	Tame Valley Buildings, Witton ...	" 18th	42.0	0.012	0.020	trace	9.9	Complaint made to Inspector. Tap water laid on.
3	Slade Lane, Erdington ...	May 18th	198.0	0.020	0.021	11.00	14.0	Complaint made to Inspector. Tap water laid on.
4	Jewish Cemetery Lodge, Witton ...	July 13th	14.00	0.040	0.016	0.0	0.9	This was a rain water supply, which has been improved.
5	High Street, Erdington ...	"	36.0	0.002	0.008	0.0	2.4	This was tap water. Complaint made to Inspector, who had dead end of main emptied.
6	Witton Hill, Erdington ..	Sep. 26th	86.0	0.000	0.008	2.75	5.2	A case of Diphteria occurred here.
7	Fenthams Road, Erdington	Dec. 10th	80.0	0.008	0.008	4.84	7.0	Complaint made to Inspector.

TABLE D.—SUMMARY OF SANITARY WORK DONE IN THE INSPECTOR OF NUISANCES DEPARTMENT DURING THE YEAR 1896, IN THE URBAN DISTRICT OF ERDINGTON.

DESCRIPTION OF WORK PERFORMED.			Inspections and Observations made.	Formal Notices by Authority.	Nuisances Abated after Notice.
Dwelling Houses and Schools	Foul Conditions	...	24	8	75
	Structural Defects	...	30	11	61
	Overcrowding	...	1	1	1
	Unfit for Habitation	..	2	1	1
	Lodging Houses	...	—	—	—
	Dairies and Milkshops	...	10	—	—
	Cow Sheds	...	14	—	—
	Bakehouses	...	24	—	—
	Slaughter-houses	...	24	—	—
	Canal Boats	..	—	—	—
House Drainage	Ashpits and Privies	...	26	13	65
	Deposits of Refuse & Manure		12	6	11
	Water Closets	...	40	17	40
	Defective Traps	...	10	5	13
	No Disconnection	...	1	—	—
	Other Faults	...	18	9	39
	Water Supply	...	20	6	29
	Pigsties	...	14	6	11
	Animals improperly kept	...	12	5	9
	Offensive Trades	...	20	3	3
Smoke Nuisances			12	1	3
Other Nuisances			28	11	37
TOTALS			342	103	398

TABLE D.—*Continued.*

DESCRIPTION OF WORK PERFORMED.	No.
Seizures of unwholesome Food	—
Samples of Food taken for Analysis	72
,,    ,,    found Adulterated	—
,,    of Water taken for Analysis	7
,,    ,,    condemned as unfit for use	6
PRECAUTIONS AGAINST INFECTIOUS DISEASE.	
Lots of Infected Bedding Stoved or Destroyed	98
Houses Disinfected after Infectious Disease	145
Schools	1
,,    ,,    ,,	—
Prosecutions for not Notifying Existence of Infectious Disease	—
Convictions	—
,,    ,,    ,,	—
Prosecutions for Exposure of Infected Persons or Things	—
Convictions	—
,,    ,,    ,,	—
Prosecutions for carrying on Offensive Trades	1
Convictions	1

**N. DEEKS,***Inspector of Nuisances.*

## TABLE E.

PROCEEDINGS TAKEN UNDER THE SALE OF FOOD AND DRUGS ACTS,  
1875-9.

## DESCRIPTION OF SAMPLES TAKEN FOR ANALYSIS DURING THE YEAR.

NO.	DATE.	ARTICLE.	REMARKS.
1—	Jan. 21st.....	Milk.....	
2—	" 21st .....	Milk.....	
3—	" 21st .....	Milk.....	
4—	" 21st.....	Butter .....	
5—	" 21st.....	Butter .....	
6—	" 21st.....	Lard.....	
7—	Feb. 20th.....	Milk.....	
8—	" 20th.....	Milk.....	
9—	" 20th.....	Milk.....	
10—	" 20th.....	Coffee.....	
11—	" 20th .....	Mustard. .	
12—	" 20th.....	Tea.....	
13—	Mar. 20th.....	Milk.....	
14—	" 20th.....	Milk.....	
15—	" 20th.....	Milk.....	
16—	" 20th.....	Coffee.....	
17—	" 20th.....	Tea.....	
18—	" 20th.....	Mustard .....	
19—	April 20th.....	Milk.....	
20—	" 20th.....	Milk.....	
21—	" 20th.....	Milk..	
22—	" 20th.....	Coffee... .	
23—	" 20th.....	Mustard .....	
24—	" 20th.....	Pepper.....	
25—	May 14th.....	Milk.....	
26—	" 14th.....	Milk.....	
27—	" 14th.....	Milk .....	
28—	" 14th.....	Coffee.....	
29—	" 14th.....	Tea.....	
30—	" 14th.....	Mustard... .	
31—	June 22nd.....	Milk.....	
32—	" 22nd.....	Milk.....	
33—	" 22nd .....	Milk.....	
34—	" 22nd.....	Coffee .....	

TABLE E.—*Continued.*

NO.	DATE.	ARTICLE.	REMARKS.
35	June 22nd	Tea.....	
36	" 22nd	Pepper.....	
37	July 17th	Milk.....	
38	" 17th	Milk.....	
39	" 17th	Milk.....	
40	" 17th	Mustard.....	
41	" 17th	Pepper.....	
42	" 17th	Coffee.....	
43	Aug. 17th	Milk.....	
44	" 17th	Milk.....	
45	" 17th	Milk.....	
46	" 17th	Coffee.....	
47	" 17th	Mustard.....	
48	" 17th	Pepper.....	
49	Sept. 29th	Milk.....	
50	" 29th	Milk.....	
51	" 29th	Milk.....	
52	" 29th	Coffee.....	
53	" 29th	Mustard.....	
54	" 29th	Pepper.....	
55	Oct. 22nd	Milk.....	
56	" 22nd	Milk.....	
57	" 22nd	Milk.....	
58	" 22nd	Butter.....	
59	" 22nd	Butter.....	
60	" 22nd	Butter.....	
61	Nov. 5th	Milk.....	
62	" 5th	Milk.....	
63	" 5th	Milk.....	
64	" 5th	Coffee.....	
65	" 5th	Pepper.....	
66	" 5th	Pepper.....	
67	Dec. 16th	Sweets.....	
68	" 16th	Sweets.....	
69	" 16th	Sweets.....	
70	" 17th	Milk.....	
71	" 17th	Milk.....	
72	" 17th	Milk.....	

TABLE F.

## ERDINGTON URBAN DISTRICT COUNCIL SANITARY AUTHORITY.

Return showing the number of Births Registered, together with the number of such cases successfully Vaccinated or otherwise disposed of in the above District during the year ending 31st December, 1896.

VACCINATION DISTRICTS.	No. of Births Registr'd during the Year ending 31st Dec., 1896.	No. of these cases successfully Vaccinated.	Insusceptible of Vaccination.	Died before Vaccination.	Cases under Postponement.	Removals to other Districts out of the Union.	No. of cases not to be found.	No. of cases remaining Unvaccinated at date of this return.
ERDINGTON	319	226	...	29	13	1	6	44
WITTON	17	13	...	2	1	...	...	1
TOTAL	336	239	...	31	14	1	6	45

NOTE.—As the Public Vaccination for Erdington is performed quarterly, 30 of the cases in Column 9 had not attained the age for Vaccination at the time appointed in January last.

J. J. STEPHENS,

Vaccination Officer for Aston Union.

Aston Union Offices, Vauxhall,

16th February, 1897.



